

I claim:

1. A synthetic urine comprising:

a) a synthetic urine formulation; and
a heat activator,

5 wherein the synthetic urine is within the normal limits of three or more of the indicia characteristic of urine selected from the group consisting of pH, urea concentration, uric acid concentration, creatinine concentration, calcium ion concentration, sodium ion concentration, phosphorus ion concentration, potassium ion concentration, and chloride ion concentration,
and wherein the synthetic urine is within the normal limits of temperature associated with
10 a freshly obtained urine sample.

2. The synthetic urine of claim 1, wherein the synthetic urine formulation is in a dehydrated form.

3. The synthetic urine of claim 1, wherein the synthetic urine formulation is in a concentrated form.

15 4. The synthetic urine of claim 1, wherein the synthetic urine formulation is a urine solution.

5. The synthetic urine of claim 1, wherein the heat activator is lithium chloride.

6. A synthetic urine comprising creatinine and urea, wherein the synthetic urine has a pH of between about 5.0 and about 8.0 and a specific gravity of between about 1.010 and about
20 1.020.

7. A method of forming synthetic urine comprising combining a synthetic urine formulation and a sufficient amount of heat activator to form a synthetic urine with normal human urine characteristics having a temperature of form about 90°F to about 105°F.

8. The method of claim 7, wherein the synthetic urine formulation is in dehydrated form.

25 9. The method of claim 7, wherein the synthetic urine formulation is in concentrated form.

10. The method of claim 7, wherein the heat activator is lithium chloride.

11. A kit for forming synthetic urine, the kit comprising:

a mixing container;

30 a synthetic urine formulation; and

a heat activator,

wherein the synthetic urine is within the normal limits of three or more of the indicia characteristic of urine selected from the group consisting of pH, urea concentration, uric acid concentration, creatinine concentration, calcium ion concentration, sodium ion concentration, phosphorus ion concentration, potassium ion concentration, and chloride ion concentration,

and wherein the synthetic urine is within the normal limits of temperature associated with a freshly obtained urine sample.

12. The kit of claim 11, wherein the synthetic urine formulation is in dehydrated form.

13. The kit of claim 11, wherein the synthetic urine formulation is in concentrated form.

14. The kit of claim 11, wherein the mixing container has a fill line.

15. The kit of claim 11, wherein the mixing container has a temperature indicator.

16. The kit of claim 11, further including a temperature sensing device.

17. The kit of claim 11, wherein the heat activator is lithium chloride.

18. The kit of claim 11, wherein the synthetic urine formulation is in dehydrated form, the heat activator is lithium chloride, the mixing container includes a fill line, and the mixing container includes a temperature indicator.